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CENTRAL FAX CENTER****AUG 24 2006****Amendments to the Claims:**

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A method of determining the amount of signal power and interference power in a received signal, the received signal having a wanted signal and a plurality of interfering signals, the method comprising the steps of:
 - a) selecting a plurality of first known structures in the wanted signal;
 - b) processing the received signal in accordance with said plurality of first known structures to derive a set of amplitude values corresponding to the said first known structures; and
 - c) using the set of amplitude values to determine the power level for at least a portion of the received signal.
2. (Original) A method according to claim 1, wherein step a) includes identifying said plurality of first known structures using a further known structure within the wanted signal.
3. (Original) A method according to claim 2, wherein and step a) includes identifying locations of a further structure within the wanted signal, and using the identified locations to derive the locations of said plurality of first known structures.
4. (Original) A method according to claim 2, wherein said plurality of first known structures comprises Frequency Correction Bursts.

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5. (Original) A method according to claim 3, wherein said further known structure comprises sync bursts.

6. (Currently Amended) A method according to ~~any one of claims 2 to 5~~ claim 2, wherein the step of identifying said plurality of first known structures includes using pointers selected by said further known structure.

7. (Original) A method according to claim 6, wherein said pointers are stored in a look-up table, and step a) includes using said pointers to select said plurality of first known structures in said received signal.

8. (Currently Amended) A method according to ~~any one of the preceding claims~~ claim 7, wherein step b) comprises correlating the received signal with said selected plurality of first known structures to derive said amplitude values.

9. (Currently Amended) A method according to ~~any one of the preceding claims~~ claim 8, wherein step c) comprises determining mean and variance values for said amplitude values.

10. (Currently Amended) A method according to ~~any one of the preceding claims~~ claim 9, wherein step c) further comprises using calibration factors to produce an absolute power value for the wanted signal.

11. (Original) A method according to claim 10, wherein step c) further comprises using said calibration factors to produce an absolute power value for the interfering signals.

12. (New) A method according to claim 3, wherein the step of identifying said plurality of first known structures includes using pointers selected by said further known structure.

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13. (New) A method according to claim 12, wherein said pointers are stored in a look-up table, and step a) includes using said pointers to select said plurality of first known structures in said received signal.

14. (New) A method according to claim 13, wherein step b) comprises correlating the received signal with said selected plurality of first known structures to derive said amplitude values.

15. (New) A method according to claim 14 wherein step c) comprises determining mean and variance values for said amplitude values.

16. (New) A method according to claim 15, wherein step c) further comprises using calibration factors to produce an absolute power value for the wanted signal.

17. (New) A method according to claim 16, wherein step c) further comprises using said calibration factors to produce an absolute power value for the interfering signals.

18. (New) A method according to claim 1, wherein step b) comprises correlating the received signal with said selected plurality of first known structures to derive said amplitude values.

19. (New) A method according to claim 18, wherein step c) comprises determining mean and variance values for said amplitude values.

20. (New) A method according to claim 19, wherein step c) further comprises using calibration factors to produce an absolute power value for the wanted signal.

21. (New) A method according to claim 20, wherein step c) further comprises using said calibration factors to produce an absolute power value for the interfering signals.

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22. (New) A method according to claim 1, wherein step c) comprises determining mean and variance values for said amplitude values.

23. (New) A method according to claim 22, wherein step c) further comprises using calibration factors to produce an absolute power value for the wanted signal.

24. (New) A method according to claim 23, wherein step c) further comprises using said calibration factors to produce an absolute power value for the interfering signals.

25. (New) A method according to claim 1, wherein step c) further comprises using calibration factors to produce an absolute power value for the wanted signal.

26. (New) A method according to claim 25, wherein step c) further comprises using said calibration factors to produce an absolute power value for the interfering signals.